

WEST Search History

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DATE: Monday, December 11, 2006

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<input type="checkbox"/>	L5	humicola same L4	6
<input type="checkbox"/>	L4	(mutant or variant) same L3	70
<input type="checkbox"/>	L3	(gene or sequence or polynucleotide or clone or recombinant) same L1	401
<input type="checkbox"/>	L2	(gene or sequence or polynucleotide or clone) same L1	366
<input type="checkbox"/>	L1	(cellobiohydrolase or cel7A or CBH1.1)	840

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NiceZyme View of ENZYME: EC 3.2.1.91

Official Name

Cellulose 1,4-beta-cellobiosidase.

Alternative Name(s)

1,4-beta-cellobiohydrolase.

Exocellobiohydrolase.

Exoglucanase.

Reaction catalysed

Hydrolysis of 1,4-beta-D-glucosidic linkages in cellulose and cellotetraose, releasing cellobiose from the non-reducing ends of the chains

Cross-references

Biochemical

Pathways; map number(s) A4

PROSITE PDOC00510 ; PDOC00563 ; PDOC00565

BRENDA 3.2.1.91

PUMA2 3.2.1.91

PRIAM enzyme-specific profiles 3.2.1.91

KEGG Ligand Database for Enzyme Nomenclature 3.2.1.91

IUBMB Enzyme Nomenclature 3.2.1.91

IntEnz 3.2.1.91

MEDLINE Find literature relating to 3.2.1.91

MetaCyc 3.2.1.91

UniProtKB/Swiss-Prot

O68438, CELK_CLOTM;	P10474, GUNB_CALSA;	O59843, GUX1_ASPAC;
Q00328, GUX1_COCCA;	Q00548, GUX1_CRYPA;	P15828, GUX1_HUMGT;
P38676, GUX1_NEUCR;	Q06886, GUX1_PENJA;	P13860, GUX1_PHACH;
Q9P8P3, GUX1_TRIHA;	P62695, GUX1_TRIKO;	P62694, GUX1_TRIRE;
P19355, GUX1_TRIVI;	Q92400, GUX2_AGABI;	P50900, GUX2_CLOSR;
P07987, GUX2_TRIRE;	P49075, GUX3_AGABI;	Q9C1S9, GUX6_HUMIN;
P50401, GUXA_CELFI;	P50899, GUXB_CELFI;	P46238, GUXC_FUSOX;